



Quote # : QT24088772

Version # : 1

Date : March 4, 2024

Validity Date : April 3, 2024

Pump Technical Data

Item		Pump Model	MRA - GLOBAL MROY A
Transaction Number	QT24088772	Pump Code	MRA11C10
Line No	1	Option Code	5XCAANNYY
Cust. Required Flow Max			

PERFORMANCES

Max. Capacity Per Head At Working Pressure	3.64 Gph
Number of Heads	1
Total Capacity	3.64 Gph
Working Pressure	100.00 Psi
Internal Relief Valve Setting Pressure	201.53 Psi
Max. Discharge Pressure with Job Motor	201.53 Psi
Max. Suction Pressure	100.00 Psi

MATERIAL

Liquid End	316L Stainless Steel
Process Diaphragm	PTFE
Hydraulic Diaphragm	N/A
Diaphragm Seal :	N/A
Process Contour Plate	316L Stainless Steel
Plunger	N/A
Rinsing Ring	N/A
Packing Gland	N/A
Packing Rings	N/A
Check Valve Body	316L Stainless Steel
Ball Guide	316L Stainless Steel
Valve Seat	316L Stainless Steel
Ball	316L Stainless Steel
Check Valve Gasket	FPM
Spring	Not applicable
Frame	Standard Cast Iron

CONSTRUCTION

ATEX Compliance	N/A
Stroke Adjustment	Standard Aluminum Manual Micrometer
Stroke Speed :	185 spm
Stroke Length :	19.00 mm
Liquid End Type	Diaphragm liquid end
Plunger Size	9.50 mm
Diaphragm Size	72 mm
Number of Diaphragm	1
Detection Type	Single Diaphragm
Check Valve	Standard version
Check Valve Type	Ball
Number of Suction Valves	2
Suction Valve Size	9.52 mm
Discharge Valve No.	2
Discharge Valve Size	9.52 mm
Gear Ratio	9.5:1
Coupling Type	Direct

DRIVER (Supplied and Installed by Customer)

Motor Mounting	Vertical with flange
Motor Flange	Nema 56C
Ex Proof Type	N/A
Installed Power	1/4 HP
Voltage - Phase	208-230/460V 3 Ph-60Hz
Frequency	60 Hz
Speed	1800 rpm
Frame Material	N - Not specific requirement
Protection	Not applicable
Insulation Class	F
Temperature Rise	B
Area Type	Non explosive zone
Thermal Probe	Without





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Lubrication Standard oil

CONNECTIONS

Suction	Threaded flange
Suction Connection Size	1/2"
Suction Connection Type	Threaded flange ANSI 150 lbs
Suction Flange Face	Raised face
Suction Flange Finish	Stock Finish
Suction Orientation	Horizontal
Discharge	Threaded flange
Discharge Connection Size	1/2"
Discharge Connection Type	Threaded flange ANSI 150 lbs
Discharge Flange Face	Raised face
Discharge Flange Finish	Stock Finish
Discharge Orientation	Horizontal

TESTS AND CONTROLS

Performance Test Type	Standard production test
Hydrostatic Test Pressure	Not Required
P.M.I.	No

PAINTING

Painting System	Powder coating - 2 to 3.5 mils
Color	Standard - Yellow RAL 1018

COMMENTS

Special Motor Coupling :	N/A - Not Applicable
Baseplate :	Y - Standard Base
Packaging Type :	STD - Standard packing





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Pump Technical Data

Item		Pump Model	MRB - GLOBAL MROY B
Transaction Number	QT24088772	Pump Code	MRB11R12
Line No	2	Option Code	5XAAANNYY
Cust. Required Flow Max			

PERFORMANCES

Max. Capacity Per Head At Working Pressure	85.0 Gph
Number of Heads	1
Total Capacity	85.0 Gph
Working Pressure	100.00 Psi
Internal Relief Valve Setting Pressure	201.53 Psi
Max. Discharge Pressure with Job Motor	201.53 Psi
Max. Suction Pressure	90.00 Psi

MATERIAL

Liquid End	316L Stainless Steel
Process Diaphragm	PTFE
Hydraulic Diaphragm	N/A
Diaphragm Seal :	N/A
Process Contour Plate	316L Stainless Steel
Plunger	N/A
Rinsing Ring	N/A
Packing Gland	N/A
Packing Rings	N/A
Check Valve Body	316L Stainless Steel
Ball Guide	316L Stainless Steel
Valve Seat	316L Stainless Steel
Ball	316L Stainless Steel
Check Valve Gasket	FPM
Spring	Not applicable
Frame	Standard Cast Iron

CONSTRUCTION

ATEX Compliance	N/A
Stroke Adjustment	Standard Aluminum Manual Micrometer
Stroke Speed :	144 spm
Stroke Length :	38.10 mm
Liquid End Type	Diaphragm liquid end
Plunger Size	36.50 mm
Diaphragm Size	133 mm
Number of Diaphragm	1
Detection Type	Single Diaphragm
Check Valve	Standard version
Check Valve Type	Ball
Number of Suction Valves	2
Suction Valve Size	15.9 mm
Discharge Valve No.	2
Discharge Valve Size	15.9 mm
Gear Ratio	12.5:1

DRIVER (Supplied and Installed by Customer)

Motor Mounting	Vertical with flange
Motor Flange	Nema 56C
Ex Proof Type	N/A
Installed Power	1/2 HP
Voltage - Phase	208-230/460V 3 Ph-60Hz
Frequency	60 Hz
Speed	1800 rpm
Frame Material	N - Not specific requirement
Protection	Not applicable
Insulation Class	F
Temperature Rise	B
Area Type	Non explosive zone
Thermal Probe	Without





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Coupling Type API mounting with flexible
 coupling
Lubrication Standard oil

CONNECTIONS

Suction	Threaded flange
Suction Connection Size	1/2"
Suction Connection Type	Threaded flange ANSI 150 lbs
Suction Flange Face	Raised face
Suction Flange Finish	Stock Finish
Suction Orientation	Horizontal
Discharge	Threaded flange
Discharge Connection Size	1/2"
Discharge Connection Type	Threaded flange ANSI 150 lbs
Discharge Flange Face	Raised face
Discharge Flange Finish	Stock Finish
Discharge Orientation	Horizontal

TESTS AND CONTROLS

Performance Test Type	Standard production test
Hydrostatic Test Pressure	Not Required
P.M.I.	No

PAINTING

Painting System	Powder coating - 2 to 3.5 mils
Color	Standard - Yellow RAL 1018

COMMENTS

Baseplate :	Y - Standard Base
Packaging Type :	STD - Standard packing

